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NISHIJIMA TATSUMI
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YAMASHITA TADASHI(54) REVOLVING SPEED CONTROL DEVICE OF
OPTICAL RECORDING DEVICE

is controlled exactly.

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(57) Abstract:

PURPOSE: To detect a revolving speed of an information recording disk and to control exactly the revolving speed by providing slit parts by equal intervals extending over the whole circumference, on a part of the information recording disk, and detecting this slit by a noncontact system.

CONSTITUTION: A slit part 52 provided on an information recording disk 50 is constituted by providing a part for making a light transmit and a nontransmitting part (reflecting part) to each other at equal intervals, and the number of slits constituted in one rotation of the disk 50 is supplied to a revolving speed controlling circuit part 30 from a photodetector 22, amplified by an amplifier 31, and also inputted as a pulse signal to a comparing circuit 34 through a differentiating circuit 32 and a monostable multivibrator 33. Said signal is compared with a reference signal from a reference signal generator 35 in said circuit, and a rotating motor 3 is driven so that its difference becomes zero. In this way, the revolving speed of the information recording disk 50

